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abhinaya@DESKTOP-1HFH7BI:~/capstone$ kubectl get services
NAME                TYPE        CLUSTER-IP      EXTERNAL-IP  PORT(S)          AGE
flask-service        NodePort    10.107.217.186   <none>        80:31976/TCP     22h
kubernetes            ClusterIP   10.96.0.1         <none>        443/TCP          22h
node-service         NodePort    10.100.81.191    <none>        80:30434/TCP     22h
react-e-commerce-service NodePort    10.110.30.169    <none>        80:30007/TCP     22s

abhinaya@DESKTOP-1HFH7BI:~/capstone$ cat deployment.yaml
apiVersion: apps/v1
kind: Deployment
metadata:
  name: nginx-deployment
spec:
  replicas: 3
  selector:
    matchLabels:
      app: nginx
  template:
    metadata:
      labels:
        app: nginx
    spec:
      containers:
        - name: nginx-container
          image: nginx:latest

abhinaya@DESKTOP-1HFH7BI:~/capstone$ kubectl create deployment react-e-commerce --image=abhinaya2201/ecommerce --replicas
error: flag needs an argument: --replicas
See 'kubectl create deployment --help' for usage.
abhinaya@DESKTOP-1HFH7BI:~/capstone$ kubectl create deployment react-e-commerce --image=abhinaya2201/ecommerce --replicas=2
deployment.apps/react-e-commerce created
abhinaya@DESKTOP-1HFH7BI:~/capstone$ kubectl get pods
NAME                READY   STATUS              RESTARTS   AGE
flask-app-84884476b46-pqjxc    0/1     ImagePullBackOff    0           23h
flask-app-84884476b46-t4dhp    0/1     ImagePullBackOff    0           23h
nginx-deployment-58cdc7b878-2jdjf 1/1     Running              0           39m
nginx-deployment-58cdc7b878-fv66p 1/1     Running              0           39m
nginx-deployment-58cdc7b878-m6qvq 1/1     Running              0           39m
node-app-7c6b979478-9mdtv      0/1     CrashLoopBackOff    72 (118s ago) 23h
node-app-7c6b979478-pqr2t      0/1     CrashLoopBackOff    71 (94s ago)  23h
react-e-commerce-85f9c85b48-294rg 1/1     Running              0           9m27s
react-e-commerce-85f9c85b48-bmpfl 1/1     Running              0           9m27s
abhinaya@DESKTOP-1HFH7BI:~/capstone$
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node                alpine                017616c34fba    6 days ago    162MB
moby/buildkit        buildx-stable-1       9a7c554fb67a    2 weeks ago   209MB
gcr.io/k8s-minikube/kicbase v0.0.46              e72c4cbe9b29    2 months ago 1.31GB

abhinaya@DESKTOP-1HFH7BI:~/capstone$ cd ..
abhinaya@DESKTOP-1HFH7BI:/$ ls
Docker  bin.usr-is-merged  capstone  etc  init  lib.usr-is-merged  lost+found  mnt  proc  run  sbin.usr-is-merged  srv  tmp  var
bin      boot              dev      home  lib  lib64              media       opt  root  sbin  snap              sys  usr

abhinaya@DESKTOP-1HFH7BI:/$ cd capstone
abhinaya@DESKTOP-1HFH7BI:~/capstone$ nano deployment.yaml
abhinaya@DESKTOP-1HFH7BI:~/capstone$ kubectl create -f deployment.yaml
deployment.apps/nginx-deployment created
abhinaya@DESKTOP-1HFH7BI:~/capstone$ kubectl apply -f deployment.yaml
Warning: resource deployments/nginx-deployment is missing the kubectrl.kubernetes.io/last-applied-configuration annotation which is required by kubectl apply.
. kubectl apply should only be used on resources created declaratively by either kubectl create --save-config or kubectl apply. The missing annotation will
be patched automatically.
deployment.apps/nginx-deployment configured
abhinaya@DESKTOP-1HFH7BI:~/capstone$ kubectl apply --save-config -f deployment.yaml
error: unknown flag: --save-config
See 'kubectl apply --help' for usage.
abhinaya@DESKTOP-1HFH7BI:~/capstone$ kubectl delete -f deployment.yaml
kubectl apply -f deployment.yaml
deployment.apps "nginx-deployment" deleted
deployment.apps/nginx-deployment created
abhinaya@DESKTOP-1HFH7BI:~/capstone$ kubectl get deployments
NAME                READY   UP-TO-DATE   AVAILABLE   AGE
flask-app            0/2     2             0           22h
nginx-deployment     2/3     3             2           15s
node-app             0/2     2             0           22h

abhinaya@DESKTOP-1HFH7BI:~/capstone$ kubectl delete -f deployment.yaml
kubectl apply -f deployment.yaml
service "react-e-commerce-service" deleted
service/react-e-commerce-service created
abhinaya@DESKTOP-1HFH7BI:~/capstone$ kubectl get deployments
NAME                READY   UP-TO-DATE   AVAILABLE   AGE
flask-app            0/2     2             0           22h
nginx-deployment     3/3     3             3           52s
node-app             0/2     2             0           22h

abhinaya@DESKTOP-1HFH7BI:~/capstone$ kubectl get services
NAME                TYPE        CLUSTER-IP      EXTERNAL-IP  PORT(S)          AGE
flask-service        NodePort    10.107.217.186   <none>        80:31976/TCP     22h
kubernetes            ClusterIP   10.96.0.1         <none>        443/TCP          23h
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abhinaya@DESKTOP-1HFH78N: ~
NAME                                READY    STATUS    RESTARTS   AGE
flask-app-8484476b46-pqjxc         0/1      ImagePullBackOff    0           23h
flask-app-8484476b46-t4qhp         0/1      ImagePullBackOff    0           23h
nginx-deployment-58cdc7b878-2djdf   1/1      Running         0           39m
nginx-deployment-58cdc7b878-fv6pf   1/1      Running         0           39m
nginx-deployment-58cdc7b878-m6qvv   1/1      Running         0           39m
node-app-7c6b979478-9ndtv          0/1      CrashLoopBackOff    72 (118s ago)  23h
node-app-7c6b979478-pmp2t          0/1      CrashLoopBackOff    71 (94s ago)   23h
react-e-commerce-85f9c85b48-29urg   1/1      Running         0           9m27s
react-e-commerce-85f9c85b48-bmfpf   1/1      Running         0           9m27s
abhinaya@DESKTOP-1HFH78N:~$ kubectl ip
192.168.49.2
abhinaya@DESKTOP-1HFH78N:~$ kubectl curl 192.168.49.2:3007
curl: (7) Failed to connect to 192.168.49.2 port 3007 after 0 ms: Couldn't connect to server
abhinaya@DESKTOP-1HFH78N:~$ kubectl curl 192.168.49.2:30007
<doctype html><html lang=en><head><meta charset=utf-8></><link rel=icon href=/favicon.ico></><meta name=viewport content=device-width,initial-scale=1><meta name=theme-color content=#000000></><meta name=description content=Web site created using create-react-app></><link rel=apple-touch-icon href=/static/img/apple-touch-icon.png></><link href=https://cdn.jsdelivr.net/npm/bootstrap5.1.3/dist/css/bootstrap.min.css rel=stylesheet integrity=sha384-1BmEUKW78/VhYFLdVkuHfTAU6auU8T9mWHfjDbrCEXSUI0BoqYL2QvZ6jIW3 crossorigin=anonymous></><link href=https://cdn.jsdelivr.net/npm/bootstrap-icons5.10.5/font/bootstrap-icons.css></><title>React App</title><script defer=defer src=/static/js/main.flc48542.js></script></></head><body><noscript>You need to enable JavaScript to run this app.</noscript><div id=r oot></div></body></html>
abhinaya@DESKTOP-1HFH78N:~$ kubectl curl 192.168.49.2:30007
<doctype html><html lang=en><head><meta charset=utf-8></><link rel=icon href=/favicon.ico></><meta name=viewport content=device-width,initial-scale=1><meta name=theme-color content=#000000></><meta name=description content=Web site created using create-react-app></><link rel=apple-touch-icon href=/static/img/apple-touch-icon.png></><link href=https://cdn.jsdelivr.net/npm/bootstrap5.1.3/dist/css/bootstrap.min.css rel=stylesheet integrity=sha384-1BmEUKW78/VhYFLdVkuHfTAU6auU8T9mWHfjDbrCEXSUI0BoqYL2QvZ6jIW3 crossorigin=anonymous></><link href=https://cdn.jsdelivr.net/npm/bootstrap-icons5.10.5/font/bootstrap-icons.css></><title>React App</title><script defer=defer src=/static/js/main.flc48542.js></script></></head><body><noscript>You need to enable JavaScript to run this app.</noscript><div id=r oot></div></body></html>
abhinaya@DESKTOP-1HFH78N:~$ kubectl get deployments
NAME                                READY    UP-TO-DATE    AVAILABLE    AGE
flask-app                           0/2      2              0            24h
nginx-deployment                    3/3      3              3            70m
node-app                            0/2      2              0            24h
react-e-commerce                    2/2      2              2            40m
abhinaya@DESKTOP-1HFH78N:~$ kubectl get deployments
NAME                                READY    UP-TO-DATE    AVAILABLE    AGE
flask-app                           0/2      2              0            24h
flask-deployment                    3/3      3              3            71m
node-app                            0/2      2              0            24h
react-e-commerce                    2/2      2              2            41m
abhinaya@DESKTOP-1HFH78N:~$

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abhinaya@DESKTOP-1HFH7BN: ~$ kubectl expose deployment nginx-deployment --type=NodePort --port=80
service/nginx-deployment exposed
abhinaya@DESKTOP-1HFH7BN: ~$ kubectl get services
NAME                TYPE        CLUSTER-IP      EXTERNAL-IP      PORT(S)          AGE
flask-service        NodePort    10.107.217.186   <none>            80:31976/TCP     25h
kubernetet           ClusterIP   10.96.0.1        <none>            443/TCP          25h
nginx-deployment     NodePort    10.193.10.161    <none>            80:32159/TCP     28s
node-service         NodePort    10.100.81.191    <none>            80:30434/TCP     25h
react-ecommerce-service NodePort    10.110.30.169    <none>            80:30007/TCP     149m
abhinaya@DESKTOP-1HFH7BN: ~$ minikube ip
192.168.49.2
abhinaya@DESKTOP-1HFH7BN: ~$ curl 192.168.49.2:30206
curl: (7) Failed to connect to 192.168.49.2 port 30206 after 1 ms: Couldn't connect to server
abhinaya@DESKTOP-1HFH7BN: ~$ curl 192.168.49.2:31619
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
  body {
    width: 35em;
    margin: 0 auto;
    font-family: Tahoma, Verdana, Arial, sans-serif;
  }
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>

<p>For online documentation and support please refer to
<a href="http://nginx.org/">nginx.org</a>.<br>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.</p>

<p><em>Thank you for using nginx.</em></p>
</body>
</html>
abhinaya@DESKTOP-1HFH7BN: ~$
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